

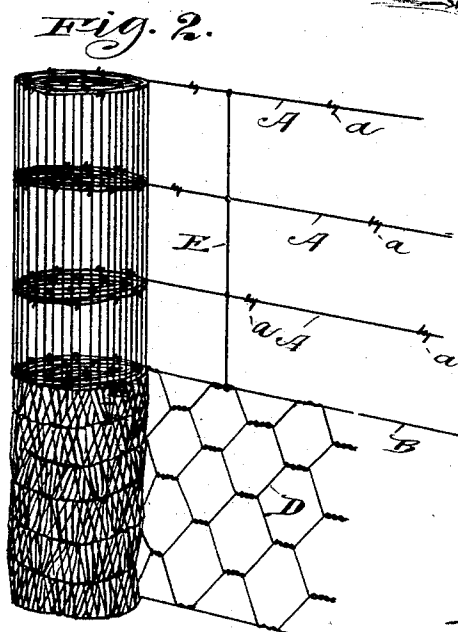
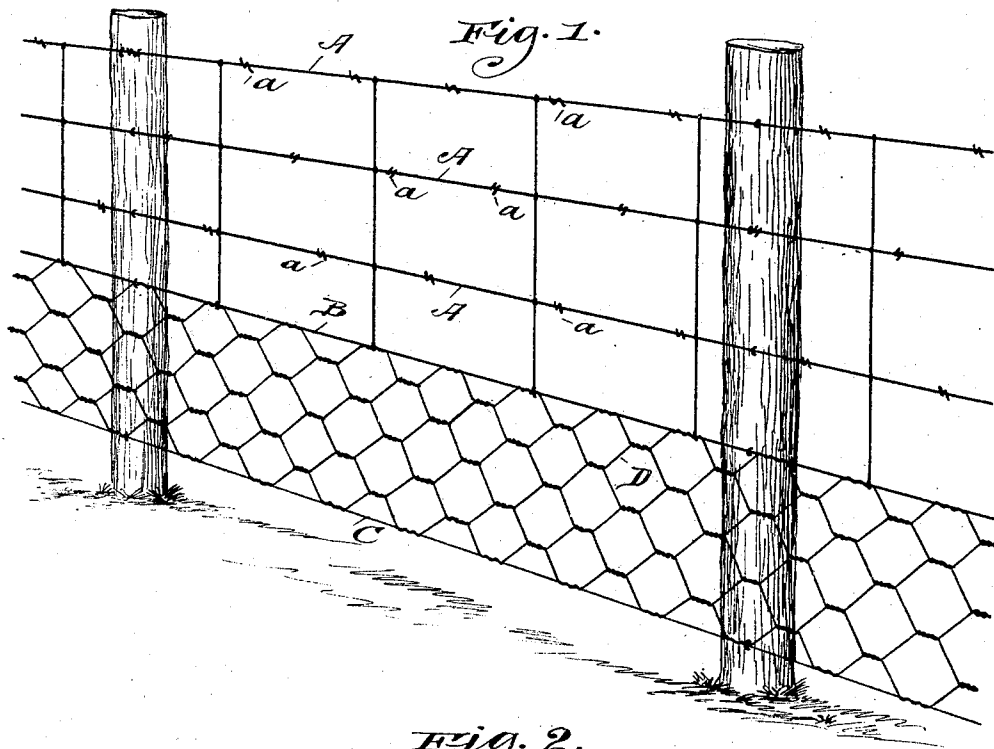
(No Model.)

2 Sheets—Sheet 1.

I. L. ELLWOOD.
METALLIC FENCING.

No. 502,512.

Patented Aug. 1, 1893.



Witnesses,
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F. C. Goodwin

Inventor,
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(No Model.)

2 Sheets—Sheet 2.

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Fig. 3.

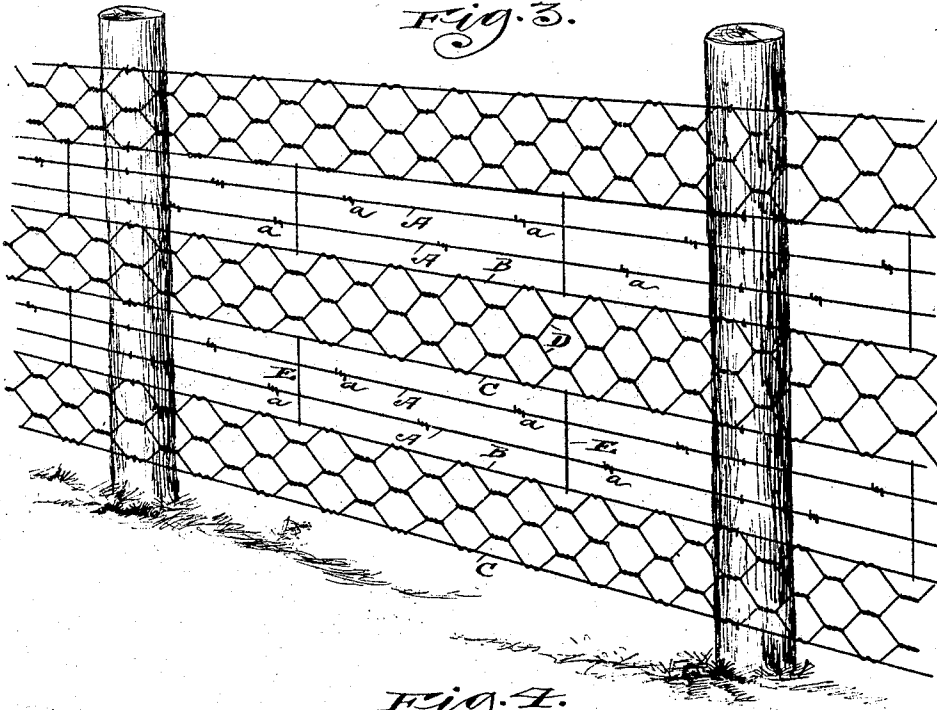
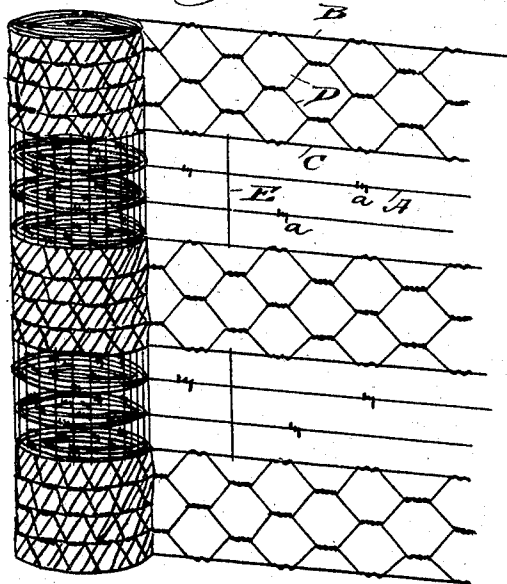


Fig. 4.



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UNITED STATES PATENT OFFICE.

ISAAC L. ELLWOOD, OF DE KALB, ILLINOIS.

METALLIC FENCING.

SPECIFICATION forming part of Letters Patent No. 502,512, dated August 1, 1893.

Application filed February 25, 1893. Serial No. 463,735. (No model.)

To all whom it may concern:

Be it known that I, ISAAC L. ELLWOOD, of De Kalb, Illinois, have invented certain new and useful Improvements in Metallic Fencing, of which the following is a specification.

This invention relates to certain improvements in metallic fencing; and has for its object to provide a fence which shall possess the combined advantages of barb wire and visible strip fences.

The invention is particularly applicable to field fences, although it may be used for lawns, orchards or other inclosures.

To this end my invention is embodied in a fence of the character described, in which there is employed one or more visible mesh strips or bands without barbs, in combination with one or more fence wires provided with barbs. The strips may be of any desired width, and arranged at the bottom of the fence in order to turn small stock, while the barb wires constitute the upper portion of the fence and serve to repel larger animals. The visible strips or mesh may also alternate with the barbed wires and one such strip may occupy the position at the top of the fence, or intermediate its top and bottom, with one or more barbed wires either above or below it. The visible strips may be formed by weaving with two or more strand wires one or more mesh wires so as to form a mesh of any usual or desired configuration, or such visible strips may be formed by slitting a strip of metal and expanding it or stretching it sidewise to provide openings, such fencing strip being known as an expanded metal strip or fence.

In the accompanying drawings, Figure 1 is a perspective view showing a complete panel and portions of two additional panels and comprising a visible strip at the bottom of the fence composed of two border wires with mesh wires connecting them, three strand wires provided with barbs and short vertically arranged tie wires connecting the barbed wire and one of the strand wires of the strip. Fig. 2 shows a quantity of this fencing partially rolled. Figs. 3 and 4 show a modification of the fence construction in which a plurality of visible strips alternate with the barbed wires.

In the drawings, A represents a continuous strand or fence wires provided with the barbs *a*.

B, C represent the border wires of a visible fence strip or band which are connected by the interlacing mesh wires D, forming what is known as a "diamond mesh." The width of the visible strip will depend altogether on the purpose for which it is employed. If designed to turn sheep, hogs or other small stock, it will be of appropriate height for that purpose and arranged at the bottom of the fence as shown. If in addition to this, it be desired to provide a visible strip which will form a sight object easily distinguishable by horses or other animals, whereby to obviate injury to such animals by their running upon the fence without warning, one or more of such strips may be arranged at the upper or an intermediate portion of the fence.

E represents vertical tie wires which connect the several sections of the fence together. As shown in Fig. 1 these tie wires are of such length as to connect the three barbed wires shown with the upper strand wire of the mesh. As shown in Fig. 3 these tie wires connect intervening barbed wires with the adjacent strand wires of the visible strips. By this means the entire fence can be rolled as shown in Figs. 2 and 4 of the drawings, and shipped in the same condition as an ordinary mesh fence; and the fence may be stretched up and secured in place more rapidly than if the barbed wires were disconnected from the visible strips.

The fence above described affords all the advantages of the ordinary barbed wire fence and of the visible strip or mesh fences. Where a wide strip is used at the bottom, it prevents horses from getting their feet through the fence in pawing and lacerating themselves as frequently happens in the use of barbed wire extending to the ground.

It is obvious that my invention does not consist in the specific construction of mesh fence shown, nor in the specific combinations or arrangements of the visible strips with the barbed wire.

I claim—

1. In a fence of the character described, the combination with a visible strip composed of a suitable mesh, of a barbed wire or wires connected thereto so as to form a unitary structure, substantially as described.

2. The herein-described fence comprising

in combination a visible strip or band composed of strand wires and interlacing mesh wires, a barbed wire or wires and tie wires connecting the visible strip with the barbed wire, substantially as described.

3. The herein-described fencing comprising a visible strip or band composed of strand wires connected by mesh wires and forming the lower portion of the fence, a barbed wire or wires constituting the upper portion of the fence and tie wires connecting the barbed wires and the strip, substantially as described.

4. The herein-described fence composed of visible strips having continuous strands or border wires and connecting mesh wires, barbed wires, and tie wires connecting the barbed wires and strip, the strips and barbed wires alternating with each other, substantially as described.

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